GENERAL INFORMATION: (1)

TECH CENTER 1600/2000 APPLICANTS: Knuth, Alexader (i) iger, Elke; Chen, Yao, Canlan, Matt; Gure, Ali, Old, Lloyd, Ritter, Gerd

- (ii) TITLE OR INVENTION: ISOLATED PEPTIDES CORRESPONDING TO AMINO ACID SEQUENCES OF NY-ESO-1, WHICH BIND TO MHC CLASS I AND MHC CLASS II MOLECULES, AND USES THEREOF
- (iii) NUMBER OF SEQUENCES: 14
- (iv) CORRESPONDENCE ADDRESS:
 (A) ADDRESSEE: FULBRIGHT & JAWORSKI LLP
 - (B) STREET: 666 Fifth Avenue
 - (C) CITY: New York City
 - (D) STATE: New York
 - (E) USA
 - (F) ZIP: 10158
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diakette, 3.5 inch, 144 kb storage
 - (B) COMPUTER: IBM
 - (C) OPERATING SYSTEM: \ PC-DOS
 - (D) SOFTWARE: WordPerfect
- (vi) CURRENT APPLICATION DATA
 - (A) APPLICATION NUMBER: 09/062,422
 - (B) FILING DATE: October \2, 1998
 - (C) CLASSIFICATION: 530
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/937,263
 - (B) FILING DATE: April 17, 1998
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/937,263
 - (B) FILING DATE: September 15, 1997
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/752,182
 - (B) FILING DATE: 03-October-1996
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Hanson, Norman D.
 - (B) REGISTRATION NUMBER: 30,946
 - (C) REFERENCE/DOCKET NUMBER: LUD 5466.3
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (212) 688-9200
 - (B) TELEFAX: (212) 838-3884

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(i) SEQ (i) (i) (i) (xi) SE	TION FOR SEQ ID NO: 2: UENCE CHARACTERISTICS: A) LENGTH: 31 base pairs B) TYPE: nuclear acid C) STRANDEDNESS: single D) TOPOLOGY: linear QUENCE DESCRIPTION: SEQ ID NO: 2:	
CACACAGGAT CC	ATGGATGC TGCAGATGCG G	31
(i) SEQUENCE (i)	TION FOR SEQ ID NO: 3: DUENCE CHARACTERISTICS: A) LENGTH: 32 base pairs B) TYPE: nuclear acid C) STRANDEDNESS: single D) TOPOLOGY: linear QUENCE DESCRIPTION: SEQ ID NO 3:	
CACACAAAGC TT	GGCTTAGC GCCTCTGCCC TG	32
(i) SEQ!	TION FOR SEQ ID NO: 4: UENCE CHARACTERISTICS: A) LENGTH: 11 amino acids B) TYPE: amino acid D) TOPOLOGY: linear QUENCE DESCRIPTION: SEQ ID NO: 4:	
Ser Leu Leu Mo	et Trp Ile Thr Gln Cys Phe Leu 5 10	
(i) SEQ (i) (i)	TION FOR SEQ ID NO: 5: UENCE CHARACTERISTICS: A) LENGTH: 9 amino acids B) TYPE: amino acid D) TOPOLOGY: linear	
	QUENCE DESCRIPTION: SEQ ID NO: 5:	

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INFORMATION FOR SEQ ID NO: 6:
(2)
      (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 9 amino acids
            (B) TYPE: amino acid
            (D) TOPOLOGY: linear
      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
Gln Leu Ser Leu Leu Met Trp Ile Thr
      INFORMATION FOR SEQ ID NO: 7:
(2)
      (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: \10 amino acids
            (B) TYPE; amino acid
            (D) TOPOLOGY: \linear
      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
Leu Leu Met Trp Ile Thr Gln Cxs Phe Leu
                  5
      INFORMATION FOR SEQ ID NO: 8
       (i) SEQUENCE CHARACTERISTICS
             (A) LENGTH: 18 amino acide
             (B) TYPE: amino acid
             (D) TOPOLOGY: linear
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
 Ala Ala Asp His Arg Gln Leu Gln Leu Ser Ila Ser Ser Cys Leu Gln
 Gln Leu
       INFORMATION FOR SEQ ID NO: 9:
 (2)
        (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 18 amino acids
              (B) TYPE: amino acid
              (D) TOPOLOGY: linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
 Val Leu Leu Lys Glu Phe Thr Val Ser Gly Asn Ile Leu Th
                                      10
                   5
  Leu Thr
        INFORMATION FOR SEQ ID NO: 10:
  (2)
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(A) LENGTH: 18 amino acids (B) TYPE; amino acid (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10: Pro Leu Pro Val Pro Gly Val Leu Leu Lys Glu Phe Thr Val Ser Gly 10 Asn Ile (2) INFORMATION FOR SEQ ID NO: 11: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear ' (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11: Gly Ala Ala Ser Gly Leu Asn Gly Cys Cys Arg Cys Gly Ala Arg Gly 10 Pro Glu INFORMATION FOR SEQ ID NO: 12: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO: \12: Ser Arg Leu Leu Glu Phe Tyr Leu Ala Met Pro Phe Ala Thr Pro Met Glu Ala (2) INFORMATION FOR SEQ ID NO: 13: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13: Thr Val Ser Gly Asn Ile Leu Thr Ile Arg Leu Thr Ala Ala Asp His 5 Arg Gln

(i) SEQUENCE CHARACTERISTICS:

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INFORMATION FOR SEQ ID NO: 14:

- (i) SEQUENCE CHARACTER STICS:
 - (A) LENGTH: 6 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

Leu Leu Met Trp Ile Thr

5